

AMENDMENTS TO THE CLAIMS

1 to 9. (Cancelled)

10. (New) A carboxylic acid group-containing amorphous polyester having an acid number of from 12 to 34 mg KOH/g and prepared from:

- (a) a polyacid constituent comprising:
 - (i) from 81 to 100% mole of isophthalic acid (IPA); and
 - (ii) from 0 to 19% mole of another aliphatic, cycloaliphatic or aromatic polyacid, and
- (b) a polyol constituent comprising:
 - (i) from 15 to 65% mole of one or more of a linear chain aliphatic C₄₋₁₆diol;
 - (ii) from 35 to 85% mole of neopentyl glycol (NPG);
 - (iii) from 0 to 50% mole of another linear chain aliphatic and/or cycloaliphatic diol; and
 - (iv) from 0 to 5% mole of a polyol with 3 or more hydroxyl groups.

11. (New) The polyester according to claim 10, which exhibits

- (A) a number averaged molecular weight (M_n) ranging from 2500 to 8600, as measured by gel permeation chromatography (GPC);
- (B) a glass transition temperature (T_g) from 40 to 80°C as measured by differential scanning calorimetry (DSC) according to ASTM D3418 with a heating gradient of 20°C per minute; and
- (C) an ICI (cone/plate) viscosity accordingly to ASTM D4287, measured at 200°C ranging from 5 to 15000 mPa.s.

12. (New) The polyester according to claim 11 which exhibits:

- (A) an M_n from 3300 to 7500, as measured by GPC; and/or
- (B) a T_g from 56 to 70°C as measured by DSC.

13. **(New)** The polyester according to claim 10, wherein the polyacid constituent:
- (a) (ii) the non-IPA polyacid (constituent (a)(ii)) is selected from:
fumaric acid, maleic acid, phthalic acid, terephthalic acid (TPA),
1,4-cyclohexanedicarboxylic acid (1,4-CHDCA), 1,3-CHDCA, 1,2-CHDCA,
succinic acid, adipic acid, glutaric acid, pimelic acid, suberic acid, azelaic acid,
sebacic acid, 1,12-dodecanedioic acid, trimellitic acid, pyromellitic acid, and the
corresponding anhydrides.
14. **(New)** The polyester according to claim 10, wherein the polyol constituent:
- (b) (i) the one or more C₄-C₁₆diols (constituent (b)(i)) are selected from:
1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 1,7-heptanediol, 1,8-octanediol,
1,9-nonanediol, 1,10-decanediol, 1,12-dodecanediol, 1,14-tetradecandiol,
1,16-hexadecandiol, used in a mixture or alone,
 - (b) (iii) the other linear chain diol (constituent (b)(iii)) is selected from:
ethylene glycol, propylene glycol, 1,4-cyclohexanediol, 1,4-cyclohexane
dimethanol, hydrogenated Bisphenol A, and
 - (b) (iv) the polyol having 3 or more OH (constituent (b)(iv)) is selected from:
trimethylolpropane (TMP), ditrimethylolpropane, pentaerythritol, used in a
mixture or alone.
15. **(New)** The polyester according claim 10, where:
- (a) the polyacid constituent comprises:
 - (i) from 81 to 100% mole of IPA; and
 - (ii) from 0 to 19% mole of TPA and/or 1,4-CHDCA; and
 - (b) a polyol constituent comprising:
 - (i) from 15 to 65% mole of linear chain aliphatic C₄-C₁₆diol,
 - (ii) from 35 to 85% mole of NPG,
 - (iii) from 0 to 50% mole of ethylene glycol; and
 - (iv) from 0 to 5% mole of TMP.

16. (New) Powdered thermosetting compositions which comprise:
- α) the polyester according to claim 10, and
 - β) a cross-linking agent having at least two β-hydroxyalkylamide groups.
17. (New) Compositions according to claim 16, comprising:
- α) from 50 to 98 weight % of said polyester;
 - β) from 1 to 10 weight % of β-hydroxyalkylamide cross-linking agent;
 - γ) from 0 to 10 weight % of one or more UV light absorbers, stabilizers, flow control agents, degassing agents; and
 - δ) from 0 to 49 weight % pigments and/or dyes.
18. (New) Process for coating an article, comprising the steps of:
- I) applying to the article by an electrostatic or friction charging gun, or in a fluidized bed, the composition according to claim 16 to form a coating on said article, and
 - II) heating said coating at a temperature of from 140 to 250°C.
19. (New) Substrate entirely or partially coated by the process of claim 18.